GLOBAL GRAND CHALLENGES

10 WAYS TO THINK ABOUT HOW CSU IS Accelerating 21st Century Cures for Animal and Human Health

**CSU’s Mycobacteria Research Laboratory** is the largest academic group in the world dedicated to the study of mycobacterial diseases.

Inevitable **contact** between humans, livestock, and wildlife can result in transmission of **infectious diseases**, which creates serious threats to public health and agriculture.

The CSU sensor group is creating easier to use **Sensors** for point-of-need measurements that provide cost-effective, relevant results.

BioMARC accelerates the development of novel biotechnology medicines for human patients by manufacturing drugs through the use of advanced production technologies and highly specialized facilities.

Without a cure, drug-resistant infections will kill an extra **10 million** people/year worldwide by 2050.

**Rice Bran** a sustainable food solution to the global problem of child malnutrition shows promise for mitigating chronic and infectious diseases of the gut.

**The Mosquito**

CSU’s Arthropod-Borne and Infectious Diseases Laboratory conducts research on emerging zoonotic pathogens and those transmitted by **humankind’s most persistent and deadly adversary**.

**CSU**

Teach a variety of methods to understand infectious diseases transmitted from wild and domestic animals to humans ranging from basic field and laboratory studies to animal model studies to vaccines and therapeutics.

**Colorado State University**

Remarkable similarities between cancers in humans and companion animals drives the Flint Animal Cancer Center to integrate and promote comparative biomedical research across species to conquer cancer.

Thank you to our valuable funding partners who help make research at CSU possible. If you are interested in getting involved visit supporting.colostate.edu.